

Application No. 09/942,488
Reply to Final Office Action dated October 17, 2003

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Listing of Claims

For the Examiner's convenience, a listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121.

1. (Currently Amended) A color picture screen provided with a blue phosphor layer ~~which comprising a mixture of particles~~ consists of a first phosphor having a light emission in the range from 430 to 490 nm and ~~particles of~~ a second phosphor having a visible light emission in the range from 380 to 450 nm.

2. (Currently Amended) A color picture screen as claimed in claim 1, characterized in that the second phosphor has a visible light emission in the range from 380-420 nm.

3. (Original) A color picture screen as claimed in claim 1, characterized in that the second phosphor is chosen from the group comprising Tb^{3+} -activated phosphors, Eu^{2+} -activated phosphors, Bi^{3+} -activated phosphors, Ga^{3+} -activated phosphors, and Ce^{3+} -activated phosphors.

4. (Original) A color picture screen as claimed in claim 3, characterized in that the second phosphor is chosen from the group comprising $LaOBr:Tb$, $Y_2O_2S:Th$, $Y_3A_15O_{12}:Tb$, $Ca_3(Po_4)_2:Eu$, $Sr_2P_2O_7:Eu$, $(Sr,Mg)_2P_2O_7:Eu$ $CaB_2P_2O_9:Eu$, $CaSO_4:Eu$, $CaO:Bi$, $ZnO:Ga$ and $(Y,Gd)B_0_3:Ce$.

5. (Canceled)

6. (Currently Amended) A color picture screen as claimed in claim 15, characterized in that the proportional quantity of the second phosphor in the phosphor layer lies between 5 and 50% by weight in relation to the quantity of the first phosphor.

7. (Currently Amended) A color picture screen as claimed in claim 1, characterized in that the phosphor layer has a base layer ~~comprising the first phosphor~~ and a covering layer ~~comprising the second phosphor~~.

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8. (Original) A color picture screen as claimed in claim 1, characterized in that the first phosphor is chosen from the group comprising ZnS:Ag, BaMgAl₁₀O₁₇:Eu and (Ba,Sr,Ca)₅(PO₄)₃Cl:Eu.

9. (Original) A color picture screen as claimed in claim 1, characterized in that the color picture screen is chosen from the group comprising cathode ray tubes, plasma picture screens, and liquid crystal picture screens.

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